BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT:Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

1. ROAD

Sl No	Description of work	Unit	Mesurement No.	L	B	D	Qty	Rate	Amount
1	KSRRB M600-1. Providing and Constructing dry lean cement concrete mix CC1:5:10 Base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum over a prepared sub-base coarse and fine aggregate conforming to IS: 383-2016, aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. do- with OPC at 150 kg/cum and Coarse agrregate 0.86cum, Fine aggregate 0.58cum using Concrete batch Mix Plant at 75 Cum/hr capacity with fixed form Paver. MORTH Specification No. 601, Pg No.174 Item No.22.1.2								
	For CC Road								
	Cross Road -1	Cum	1	53.00	6.70	0.15	53.27		
	Cross Road -2	Cum	1	61.00	6.60	0.15	60.39		
	Cross Road -3	Cum	1	60.00	6.50	0.15	58.50		
	Cross Road -4	Cum	1	57.00	6.20	0.15	53.01		
	Basic rate	3831.41							
	Area weightage 6%	229.88							
	Sub Total	**4061.29**							
	Total						**225.17**	**4061.29**	**914462.00**
2	KSRRB M300-14. **Excavation for roadwork in all types of soil** by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications MORTH Specificatio MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)								
	CC Road								
	Cross Road -1	Cum	1	53.00	6.70	0.10	35.51		
	Cross Road -2	Cum	1	61.00	6.60	0.10	40.26		
	Cross Road -3	Cum	1	60.00	6.50	0.10	39.00		
	Cross Road -4	Cum	1	57.00	6.20	0.10	35.34		
	Basic rate	41.00							
	Area weightage 6%	2.46							
	5Km lead= (2*1.28*5)	12.80							
	Sub Total	**56.26**							
	Total						**150.11**	**56.26**	**8446.00**
3	KSRRB 300-58. **Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.(I No-19.64,P No-147)								
	Concrete Road								
	Cross Road -1	Sqm	1	53.00	6.70		355.10		
	Cross Road -2	Sqm	1	61.00	6.60		402.60		
	Cross Road -3	Sqm	1	60.00	6.50		390.00		
	Cross Road -4	Sqm	1	57.00	6.20		353.40		
	Basic rate	6.00							
	Area weightage 6%	0.36							
	Sub Total	**6.36**							
	Total						**1501.10**	**6.36**	**9547.00**

Sl No	Description of work	Unit	Mesurement				Qty	Rate	Amount
			No.	L	B	D			
4	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202(P.No.140- I.No.18.47) & Pg No.136, Item No.17.4,17.1 (5km lead = 57+2*1.28X5)								
	Cross Road -1	Cum	1	53.00	6.70	0.20	71.02		
	Cross Road -2	Cum	1	61.00	6.60	0.20	80.52		
	Cross Road -3	Cum	1	60.00	6.50	0.20	78.00		
	Cross Road -4	Cum	1	57.00	6.20	0.20	70.68		
	Basic rate	899.00							
	Area weightage 6%	53.94							
	5Km lead & Lift= 57+(2*1.28*5)	69.80							
	Sub Total	**1022.74**							
	Total						**300.22**	**1022.74**	**307048.00**
5	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1									
	Cross Road -1	Cum	1	53.00	6.70	0.15	53.27		
	Cross Road -2	Cum	1	61.00	6.60	0.15	60.39		
	Cross Road -3	Cum	1	60.00	6.50	0.15	58.50		
	Cross Road -4	Cum	1	57.00	6.20	0.15	53.01		
	Basic rate	5315.38							
	Area weightage 6%	318.92							
	Sub Total	**5634.30**							
	Total						**225.17**	**5634.30**	**1268648.00**
								Total Amount	**2508151.00**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT:Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

2. BUILDING

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
6	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 6,Item No 2.4								
	Footings								
	C1	Cum	2	3.65	2.20	1.50	24.09		
	C2	Cum	5	2.85	2.25	1.50	48.09		
	C3	Cum	4	2.20	2.20	1.50	29.04		
	C4	Cum	6	1.90	1.50	1.50	25.65		
	SSM Footing								
	Along long direction	Cum	2	3.85	0.90	0.75	5.20		
		Cum	1	5.35	0.90	0.75	3.61		
		Cum	1	3.03	0.90	0.75	2.04		
		Cum	2	1.20	0.90	0.75	1.62		
	Along Short direction	Cum	3	5.50	0.90	0.75	11.14		
		Cum	3	7.35	0.90	0.75	14.88		
		Cum	1	9.20	0.90	0.75	6.21		
		Cum	1	4.83	0.90	0.75	3.26		
		Cum	1	2.00	0.90	0.75	1.35		
		Cum	1	1.90	0.90	0.75	1.28		
	Basic rate							449.00	
	Area weightage 8%							35.92	
	Total						177.47	484.92	86057.96
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. KBS Pg No 7, Item No 2.15								
	Footings								
	C1	Cum	2	3.65	2.20	0.10	1.61		
	C2	Cum	5	2.85	2.25	0.10	3.21		
	C3	Cum	4	2.20	2.20	0.10	1.94		
	C4	Cum	6	1.90	1.50	0.10	1.71		
	Basic rate							2429.00	
	Area weightage 8%							194.32	
	Total						8.46	2623.32	22188.70
8	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3								
	Footings								
	C1	Cum	2	3.65	2.2	0.15	2.41		
	C2	Cum	5	2.85	2.25	0.15	4.81		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	C3	Cum	4	2.2	2.2	0.15	2.90		
	C4	Cum	6	1.9	1.5	0.15	2.57		
	SSM Below								
	Along long direction	Cum	2	12.35	0.90	0.15	3.33		
		Cum	1	5.35	0.90	0.15	0.72		
		Cum	1	4.95	0.90	0.15	0.67		
		Cum	2	1.20	0.90	0.15	0.32		
	Along Short direction	Cum	3	8.55	0.90	0.15	3.46		
		Cum	3	9.20	0.90	0.15	3.73		
		Cum	1	4.83	0.90	0.15	0.65		
		Cum	1	2.00	0.90	0.15	0.27		
		Cum	1	1.90	0.90	0.15	0.26		
	Basic rate							5102.00	
	Area weightage 8%							408.16	
	Total						**26.10**	**5510.16**	**143835.43**
9	KSRB 4-1.5 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.5 of PWD SR 2018-19)								
	Above SSM								
	Along long direction	Cum	2	12.35	0.60	0.15	2.22		
		Cum	1	5.35	0.60	0.15	0.48		
		Cum	1	4.95	0.60	0.15	0.45		
		Cum	2	1.20	0.60	0.15	0.22		
	Along Short direction	Cum	3	8.55	0.60	0.15	2.31		
		Cum	3	9.20	0.60	0.15	2.48		
		Cum	1	4.83	0.60	0.15	0.43		
		Cum	1	2.00	0.60	0.15	0.18		
	Plinth Area	Cum	1	1.90	0.60	0.15	0.17		
	Steps	Cum	1	15.7	9.2	0.15	21.67		
		Cum	1	2.8	0.9	0.15	0.38		
		Cum	1	2.8	0.6	0.15	0.25		
	Basic rate				0.3	0.15	0.13		
	Area weightage 8%								
	Total							5328.00	
								426.24	
							31.37	**5754.24**	**180488.64**
10	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Pg No 25 item No 5.6								
	SSM Footing								
	Along long direction	Cum	2	12.35	0.6	0.6	8.89		
		Cum	1	5.35	0.6	0.6	1.93		
		Cum	1	4.95	0.6	0.6	1.78		
		Cum	2	1.2	0.6	0.6	0.86		
	Along Short direction	Cum	3	8.55	0.6	0.6	9.23		
		Cum	3	9.2	0.6	0.6	9.94		
		Cum	1	4.83	0.6	0.6	1.74		
		Cum	1	2	0.6	0.6	0.72		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	1	1.9	0.6	0.6	0.68		
	Basic rate							4596.00	
	Area weightage 8%							367.68	
	Total						**35.78**	**4963.68**	**177584.59**
11	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10								
	Filling Available of Excavated Earth								
	Earth Work Excavation	Cum					177.47		
	PCC for Footing	Cum					-26.10		
	Filling in foundation with granite / trap broken	Cum					-8.46		
	SSM Footing	Cum					-35.78		
	Footing Concrete	Cum					-46.52		
	Basic rate							201.00	
	Area weightage 8%							16.08	
	Total						**60.61**	**217.08**	**13157.06**
12	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 136,Item No17.4								
	Excavated Earth	Cum					177.47		
	Filling Available of Excavated Earth						-60.61		
	Loading and unloading item no.17.1 KSRRB M 100-1	Cum					57.00		
	Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 -	t.km	For surface roads exluding loading & unloading				Basic rate	2.00	
	Average Weight of earth	For2Kms =2x1.28x2							
	Basic rate							5.12	
	Area weightage 8%							62.12	
	Total							4.97	
							116.86	**67.09**	**7840.03**
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.28								
	Footings								
	C1	Sqm	2	11.7		0.55	12.87		
	C2	Sqm	5	10.2		0.55	28.05		
	C3	Sqm	4	8.8		0.55	19.36		
	C4	Sqm	6	6.8		0.55	22.44		
	Basic rate							258.00	
	Area weightage 8%							20.64	
	Total						**82.72**	**278.64**	**23049.10**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
14	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2, Pg No 16, Item No 4.31								
	Plinth Beam								
	Along long direction	Sqm	4	16.9		0.45	30.42		
		Sqm	4	2.80		0.45	5.04		
	Along Short direction	Sqm	12	9.20		0.45	49.68		
		Sqm	2	3.00		0.45	2.70		
	Basic rate							358.00	
	Area weightage 8%							28.64	
	Total						**87.84**	**386.64**	**33962.46**
15	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 16, Item No 4.32								
	Ground Floor								
	Column below plinth								
	C1	Sqm	15	1.5		0.7	15.75		
	C2	Sqm	2	1.2		0.7	1.68		
	Columns upto beam bottom								
	C1	Sqm	15	1.5		3.15	70.88		
	C2	Sqm	2	1.2		3.15	7.56		
	Head Room								
	C1	Sqm	4	1.5		2.55	15.30		
	Basic rate							456.00	
	Area weightage 8%							36.48	
	Total						**111.17**	**492.48**	**54746.54**
16	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Specification No. KBS 4.6.2 page no.16 item no 4.29.2								
	Ground Floor								
	Slab	Sqm	1	16.90	9.60		162.24		
	Deduction								
	Staircase	Sqm	-1	4.83	2.60		-12.56		
	Portico	Sqm	1	3.00	2.80		8.40		
	Head Room								
	Slab	Sqm	1	5.03	2.80		14.08		
	Basic rate							400.00	
	Area weightage 8%							32.00	
	Total						**172.17**	**432.00**	**74375.71**
17	KSRB 4-6.9 : Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. Specifications No. KBS 4.6.2, Pg No 17,Item No 4.36								
	Ground Floor								
	Slab sides	Sqm	1	53.00		0.15	7.95		
	portico slab sides	Sqm	1	11.60		0.15	1.74		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Head Room								
	Slab sides	Sqm	1	15.66		0.15	2.35		
	Basic rate							755.00	
	Area weightage 8%							60.40	
	Total						**12.04**	**815.40**	**9816.60**
18	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2, Pg No 17, Item No 4.34								
	Ground Floor								
	Beams								
	Along long direction(B1)	Sqm	4	16.90		0.30	20.28		
	B2	Sqm	2	2.60		0.30	1.56		
	Along Short direction(B4)	Sqm	2	9.00		0.30	5.40		
	B5	Sqm	6	9.00		0.60	32.40		
	B6	Sqm	4	9.00		0.30	10.80		
	Portico(B3)	Sqm	4	2.80		0.30	3.36		
	B7	Sqm	2	3.00		0.30	1.80		
	Head Room								
	Beams	Sqm	4	4.83		0.30	5.80		
		Sqm	4	2.80		0.30	3.36		
	Basic rate							292.00	
	Area weightage 8%							23.36	
	Total						**84.76**	**315.36**	**26728.65**
19	KSRB 4-6.11 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2, Pg No 17, Item No 4.38								
	Ground Floor								
	Waist slab(Flight 1)	Sqm	1	3.75	1.2		4.50		
	Waist slab(Flight 1)sides	Sqm	2	3.75		0.15	1.13		
	Waist slab(Flight 2)	Sqm	1	3.75	1.2		4.50		
	Waist slab(Flight 2)sides	Sqm	2	3.75		0.15	1.13		
	Riser	Sqm	24	1.2		0.15	4.32		
	Landing	Sqm	1	2.5	1.2		3.00		
	Landing sides	Sqm	1	2.5		0.15	0.38		
	SB1	Sqm	2	2.5		0.3	1.50		
	Steps	Sqm	1	4.6		0.15	0.69		
		Sqm	1	4		0.15	0.60		
		Sqm	1	3.4		0.15	0.51		
	Basic rate							520.00	
	Area weightage 8%							41.60	
	Total						**22.25**	**561.60**	**12492.79**
20	KSRB 4-6.10 :Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 17,Item No 4.37								
	Ground Floor								
	W1	Sqm	7	1.8	0.6		7.56		
	W1(sides)	Sqm	7	3		0.10	2.10		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	W2	Sqm	2	1.5	0.6		1.80		
	W2(sides)	Sqm	2	1.5		0.10	0.30		
	Basic rate							323.00	
	Area weightage 8%							25.84	
	Total						**11.76**	**348.84**	**4102.36**
21	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.10								
	Footings								
	C1	Cum	2	3.65	2.20	0.55	8.83		
	C2	Cum	5	2.85	2.25	0.55	17.63		
	C3	Cum	4	2.20	2.20	0.55	10.65		
	C4	Cum	6	1.90	1.50	0.55	9.41		
	Plinth Beam								
	Along long direction	Cum	2	16.9	0.20	0.45	3.04		
		Cum	2	2.80	0.20	0.45	0.50		
	Along Short direction	Cum	6	9.20	0.20	0.45	4.97		
		Cum	1	3.00	0.20	0.45	0.27		
	Column below plinth								
	C1	Cum	15	0.3	0.45	0.70	1.42		
	C2	Cum	2	0.3	0.3	0.70	0.13		
	Basic rate							5812.00	
	Area weightage 8%							464.96	
	Total						**56.85**	**6276.96**	**356831.84**
22	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications. No. KBS 4.1, 4.6, Pg No. 14, Item No. 4.12								
	Ground Floor								
	Columns upto beam bottom								
	C1	Cum	15	0.3	0.45	3.15	6.38		
	C2	Cum	2	0.3	0.3	3.15	0.57		
	Lintel								
	Along long direction	Cum	2	14.65	0.2	0.2	1.17		
	Along Short direction	Cum	2	8.15	0.2	0.2	0.65		
	Lintel over partition wall	Cum	1	9.2	0.1	0.2	0.18		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		Cum	1	1.9	0.1	0.2	0.04		
		Cum	1	0.9	0.1	0.2	0.02		
		Cum	2	1.3	0.1	0.2	0.05		
	Stair case								
	Waist Slab for Flight 1	Cum	1	3.75	1.2	0.15	0.68		
	Waist Slab for Flight 2	Cum	1	3.75	1.2	0.15	0.68		
	Riser and treads	Cum	24	1.5		0.023	0.81		
			Triangular area=0.5*0.3*0.15=0.0225						
	Landing	Cum	1	2.5	1.2	0.15	0.45		
	SB1	Cum	1	2.5	0.2	0.3	0.15		
	Basic rate							6045.00	
	Area weightage 8%							483.60	
	Total						**11.82**	**6528.60**	**77179.48**
	Head Room								
	C1	Cum	4	0.30	0.45	2.55	1.38		
	Cut lintel								
	D1	Cum	1	1.50	0.20	0.2	0.06		
	Basic rate							6045.00	
	Add lift charges for Head Room							60.00	
	sub total							6105.00	
	Area weightage 8%							488.40	
	Total						**1.44**	**6593.40**	**9474.72**
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pg No.19 Item No.4.49.2								
	Ground Floor								
	Slab	Cum	1	16.9	9.6	0.15	24.34		
	Deduction								
	Staircase	Cum	-1	4.83	2.6	0.15	-1.88		
	Portico	Cum	1	3	2.8	0.15	1.26		
	Beams								
	Along long direction(B1)	Cum	2	16.90	0.30	0.30	3.04		
	B2	Cum	1	2.60	0.30	0.30	0.23		
	Along Short direction(B4)	Cum	1	9.00	0.30	0.30	0.81		
	B5	Cum	3	9.00	0.30	0.60	4.86		
	B6	Cum	2	9.00	0.30	0.30	1.62		
	Portico(B3)	Cum	2	2.80	0.30	0.30	0.50		
	B7	Cum	1	3.00	0.30	0.30	0.27		
	Head Room								
	Slab	Cum	1	5.03	2.80	0.15	2.11		
	Beams								
	Along long direction	Cum	2	4.83	0.30	0.30	0.87		
	Along Short direction	Cum	2	2.80	0.30	0.30	0.50		
	Basic rate							5497.00	
	Area weightage 8%							439.76	
	Total						**38.54**	**5936.76**	**228792.64**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 4.2.11 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 Pg No.15 Item no.4.20								
	Ground Floor								
	W1	Sqm	7	1.8	0.6		7.56		
	W2	Sqm	2	1.5	0.6		1.80		
	Basic rate							496.00	
	Area weightage 8%							39.68	
	Total						**9.36**	**535.68**	**5013.96**
	Head Room								
	D1	Sqm	1	1.20	0.60		0.72		
	Basic rate							496.00	
	Add lift charges for First Floor							10.00	
	sub total							506.00	
	Area weightage 8%							40.48	
	Total						**0.72**	**546.48**	**393.47**
25	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.18 Item No.4.46.2								
	Ground Floor								
	Footing	Cum	Concrete Quantity				46.52		
		kg	Steel assumed 105 Kg/Cum of Concrete				4884.6		
		tonne					**4.88**		
	Column	Cum	Concrete Quantity				8.49		
		kg	Steel assumed 130 Kg/Cum of Concrete				1103.60		
		tonne					**1.10**		
	Plinth beam	Cum	Concrete Quantity				8.78		
		kg	Steel assumed 120 Kg/Cum of Concrete				1010.16		
		tonne					**1.01**		
	Lintel	Cum	Concrete Quantity				2.12		
		kg	Steel assumed 100 Kg/Cum of Concrete				211.60		
		tonne					**0.21**		
	Staircase	Cum	Concrete Quantity				2.76		
		kg	Steel assumed 100 Kg/Cum of Concrete				276.00		
		tonne					**0.28**		
	Beam	Cum	Concrete Quantity				11.34		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
		kg	Steel assumed 120 Kg/Cum of Concrete				1360.8		
		tonne					**1.36**		
	Roof Slab	Cum	Concrete Quantity				23.71		
		kg	Steel assumed 120 Kg/Cum of Concrete				2726.9		
		tonne					**2.73**		
	Chajja	Cum	Concrete Quantity				0.94		
		kg	Steel assumed 100 Kg/Cum of Concrete				93.60		
		tonne					**0.09**		
	Basic rate							78007.00	
	Area weightage 8%							6240.56	
	Total						**11.67**	**84247.6**	**982942.94**
	Head Room								
	Colomn	Cum	Concrete Quantity				1.38		
		kg	Steel assumed 130 Kg/Cum of Concrete				179.01		
		tonne					**0.18**		
	Lintel	Cum	Concrete Quantity				0.06		
		kg	Steel assumed 100Kg/Cum of Concrete				6.00		
		tonne					**0.01**		
	Beam	Cum	Concrete Quantity				1.37		
		kg	Steel assumed 120 Kg/Cum of Concrete				164.81		
		tonne					**0.16**		
	Roof Slab	Cum	Concrete Quantity				2.11		
		kg	Steel assumed 120 Kg/Cum of Concrete				242.9		
		tonne					**0.24**		
	Chajja	Cum	Concrete Quantity				0.07		
		kg	Steel assumed 100 Kg/Cum of Concrete				7.20		
		tonne					**0.01**		
	Basic rate							78007.00	
	Add lift charges for Head Room							748.00	
	sub total							78755.0	
	Area weightage 8%							6300.40	
	Total						**0.60**	**85055.4**	**51030.43**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
26	KSRB 5-14.1: Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.4, Pg No. 27 Item No. 5.27.1								
	Ground Floor								
	Along long direction	Sqm	2	14.2		3.15	89.46		
	Along Short direction	Sqm	2	8.75		3.15	55.13		
	Deduction								
	D	Sqm	-1	1.8		2.10	-3.78		
	W1	Sqm	-7	1.8		1.50	-18.90		
	W2	Sqm	-2	1.5		1.50	-4.50		
	Lintel								
	Along long direction	Sqm	-2	14.65		0.2	-5.86		
	Along Short direction	Sqm	-2	8.15		0.2	-3.26		
	Basic rate							912.00	
	Area weightage 8%							72.96	
	Total						**108.29**	**984.96**	**106656.39**
	Head Room								
	Along long direction	Sqm	2	4.38		2.55	22.34		
	Along Short direction	Sqm	2	2.2		2.55	11.22		
	Deduction								
	D1	Sqm	-1	1.2		2.10	-2.52		
	Cut lintel								
	D1	Sqm	-1	1.50		0.2	-0.30		
	Basic rate							912.00	
	Add lift charges for Head Room							35.00	
	sub total							947.00	
	Area weightage 8%							75.76	
	Total						**30.74**	**1022.76**	**31437.60**
27	KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28								
	Ground Floor								
	Near Stair case	Sqm	1	4.83		3.15	15.21		
	Basic rate							811.00	
	Area weightage 8%							64.88	
	Total						**15.21**	**875.88**	**13326.08**
28	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications Pg No. 116,Item No.15.16								
	External Plastering								
	Ground Floor								
	Along long Direction	Sqm	2	16.9		3.6	121.68		
	Along Short Direction	Sqm	2	9.6		3.6	69.12		
	Chajja plastering								
	W1	Sqm	7	1.8	0.6		7.56		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	W1(sides)	Sqm	14	1.8		0.1	2.52		
	W1(Front)	Sqm	7	0.6		0.1	0.42		
	W2	Sqm	2	1.5	0.6		1.8		
	W2(sides)	Sqm	4	1.5		0.1	0.6		
	W2(Front)	Sqm	2	0.6		0.1	0.12		
	Deduction								
	D	Sqm	-1	1.8		2.1	-3.78		
	W1	Sqm	-7	1.8		1.5	-18.9		
	W2	Sqm	-2	1.5		1.5	-4.5		
	Basic rate							261.00	
	Area weightage 8%							20.88	
	Total						**176.64**	**281.88**	**49791.28**
	Head Room								
	Along long Direction	Sqm	2	4.38		3.00	26.28		
	Along Short Direction	Sqm	2	2.20		3.00	13.20		
	Chajja								
	D1	Sqm	1	1.2	0.6		0.72		
	D1 (sides)	Sqm	2	0.60		0.10	0.12		
	D1(Front)	Sqm	1	1.20		0.10	0.12		
	Deduction								
	D1	Sqm	-1	1.2		2.1	-2.52		
	Basic rate							261.00	
	Add Scaffolding charges for Head Room							12.00	
	sub total							273.00	
	Area weightage 8%							21.84	
	Total						**37.92**	**294.84**	**11180.33**
29	KSRB 15.3.2 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .Pg No. 115 Item No.15.10								
	Internal Plastering								
	Ground Floor								
	Hall								
	Along long Direction	Sqm	1	16.40		3.45	56.58		
		Sqm	1	13.80		3.45	47.61		
	Along Short Direction	Sqm	2	9.20		3.45	63.48		
	Staircase wall	Sqm	2	4.83		3.45	33.33		
		Sqm	1	2.5		3.45	8.63		
	Deduction								
	D	Sqm	-1	1.8		2.1	-3.78		
	W1	Sqm	-7	1.8		1.5	-18.90		
	W2	Sqm	-2	1.5		1.5	-4.50		
	Basic rate							204.00	
	Area weightage 8%							16.32	
	Total						**182.44**	**220.32**	**40195.62**
	Head Room								
	Along long Direction	Sqm	2	4.83		2.85	27.53		
	Along Short Direction	Sqm	2	2.50		2.85	14.25		

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Deduction								
	D1	Sqm	-1	1.20		2.10	-2.52		
	Basic rate							204.00	
	Add lift charges for First Floor							6.00	
	sub total							210.00	
	Area weightage 8%							16.80	
	Total						**39.26**	**226.80**	**8904.39**
30	KSRB15-3-14 : Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Pg No 116, Item No15.22								
	Ground Floor								
	Ceiling								
	Hall	Sqm	1	16.5	9.2		151.80		
	Portico	Sqm	1	3.00	2.80		8.40		
	Beams								
	Hall	Sqm	3	9.20		1.50	41.40		
	Entrace	Sqm	1	4.37		1.20	5.24		
	Head Room								
		Sqm	1	4.83	2.60		12.56		
	Basic rate							225.00	
	Area weightage 8%							18.00	
	Total						**219.40**	**243.00**	**53314.39**
31	providing applying two coats of wall putty to **inside plastered walls and ceiling** using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification. Pg No.128 Item No.15.106								
	for Internal plastered portions	Sqm	1	same as Internal plastering			221.70		
	ceiling	Sqm	1	same as plastering for beam + ceiling			219.40		
	Basic rate							78.00	
	Area weightage 8%							6.24	
	Total						**441.10**	**84.24**	**37158.58**
32	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. PgNo. 119, I.No. 15.51.2								
	Internal painting	Sqm	Same as Internal plastering				221.70		
	Basic rate							90.00	
	Area weightage 8%							7.2	
	Total						**221.70**	**97.20**	**21549.53**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
33	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.Pg No 119,Item No15.49.2								
	Ceiling	Sqm		Same as plastering for beam and ceiling			219.40		
	Basic rate							110.00	
	Extra over Item 15-14.1							8.00	
	sub total							118.00	
	Area weightage 8%							9.44	
	Total						**219.40**	**127.44**	**27960.44**
34	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 120, I.No. 15.53.2 of SR 2018-19).								
	External painting								
	Ground Floor	Sqm		Same as External plastering +chajja plastering			176.64		
	Basic rate							102.00	
	Area weightage 8%							8.16	
	Total						**176.64**	**110.16**	**19458.66**
	Head Room	Sqm		Same as External plastering +chejja plastering			37.92		
	Basic Rate							102.00	
	An additional rate of Rs.4.00/sqm per floor for lift charges and Rs.4.00/sqm per floor for scaffolding charges may be added for every additional floor							8.00	
	sub total							110.00	
	Area weightage 8%							8.80	
	Total						**37.92**	**118.80**	**4504.90**
35	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,complete as per Specification.Pg No 110,Item No14.51								
	Ground Floor								
	Treads	Sqm	23	1.20		0.30	8.28		
	Riser	Sqm	24	1.20		0.15	4.32		
	Landing	Sqm	1	2.50	1.20		3.00		
	Basic rate							4456.00	
	Area weightage 8%							356.48	
	Total						**15.60**	**4812.48**	**75074.69**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
36	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4, Pg No 104,Item No 14.13								
	Ground Floor								
	Hall	Sqm	1	16.5	9.20		151.80		
	Portico	Sqm	1	3	2.80		8.4		
	Basic rate							631.00	
	Area weightage 8%							50.48	
	Total						**160.20**	**681.48**	**109173.10**
37	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 1200 mm.Pg No 112,Item No 14.61.2								
	Ground Floor								
	Flooring								
	Hall	Sqm	1	16.50	9.20		151.80		
	Portico	Sqm	1	3.00	2.8		0.00		
	Skirting								
	Along LongDirection	Sqm	2	16.50		0.15	4.95		
	Along Short Direction	Sqm	2	9.20		0.15	2.76		
	Basic Rate							2051.00	
	Area weightage 8%							164.08	
	Total						**159.51**	**2215.08**	**353327.41**
38	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification page no 111 item no 14.56								
	Ground Floor								
	Nosing								
	Along LongDirection	m	2	16.50			33.00		
	Along Short Direction	m	2	9.20			18.40		
	Basic Rate							180.00	
	Area weightage 8%							14.4	
	Total						**51.40**	**194.40**	**9992.16**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
39	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification. page no 69 item no 10.5.1								
	Terrace	Sqm	1	16.90	9.60		162.24		
	Basic Rate							526.00	
	Area weightage 8%							42.08	
	Total						**162.24**	**568.08**	**92165.30**
40	KSRB 9-27.1 : Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications. Pg No 60,Item No9.80								
	Ground Floor								
	D	Nos	1				1		
	Basic rate							1366.00	
	Area weightage 8%							109.28	
	Total						**1**	**1475.28**	**1475.28**
	Head Room								
	D1	Nos	1				1		
	Basic rate							1366.00	
	An additional rate of Rs.4/sqm per floor may be added for every additional floor							4.00	
	sub total							1370.00	
	Area weightage 8%							109.6	
	Total						**1**	**1479.60**	**1479.60**
41	KSRB 9.4-2: Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 Pg No 53,Item No9.11								
	Ground Floor								
	D	Cum	1	7.80	0.20	0.15	0.23		
	Basic rate							87604.00	
	Area weightage 8%							7008.32	
	Total						**0.23**	**94612.3**	**22139.28**
	Head Room								
	D1	Cum	1	6.60	0.20	0.15	0.20		
	Basic rate							87604.00	
	An additional rate of Rs.4/sqm per floor may be added for every additional floor							4.00	
	sub total							87608.00	
	Area weightage 8%							7008.64	
	Total						**0.20**	**94616.6**	**18734.09**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
42	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, Pg No. 53, Item No. 9.15								
	Ground Floor								
	D	Sqm	1	1.8		2.1	3.78		
	Basic rate							4722.00	
	Area weightage 8%							377.76	
	Total						**3.78**	**5099.76**	**19277.09**
	Head Room								
	D1	Sqm	2	1.2		2.1	5.04		
	Basic rate							4722.00	
	An additional rate of Rs.4.00/sqm per floor may be added for							4.00	
	sub total							4726.00	
	Area weightage 8%							378.08	
	Total						**5.04**	**5104.1**	**25724.56**
43	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications. Pg no:121.Item no:15.60.1								
	Ground Floor								
	D	Sqm	1	7.80	0.10		0.78		
		Sqm	1	7.80	0.075		0.59		
	Head Room								
	D1	Sqm	2	6.60	0.10		1.32		
		Sqm	2	6.60	0.075		0.99		
	Basic rate							97.00	
	Area weightage 8%							7.76	
	Total						**3.68**	**104.76**	**384.99**
44	Providing & fixing of 3 Track - 2 Panel Sliding Windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPV(Thermo Plastic Vulcanized) and lead free, gaskets having isolated drainage and reinforced with Galvanized Iron profile through-out the window Frame. The outer frame having a overall size of 108 mm width X 45 mm height with reinforcement of 1 mm thickness and sash with overall size of 39 mm x 75 mm with GI reinforcement of 2 mm and mesh sash of size 30mm.Windows shall be provided with 5mm plain float glass, standard hardware and single point locking system with touch lock. Wall thickness of frame and sash shall be of 2mm -2.5mm. Maximum possible size -2419mm x 21119 mm								
	Ground floor								
	W1	Sqm	7	1.80		1.50	18.90		
	W2	Sqm	2	1.50		1.50	4.50		
	Basic Rate							5220.00	
	Area weightage 8%							417.6	
	Total						**23.40**	**5637.60**	**131919.84**

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
45	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.Specification No. KBS 7.12 Pg No.34 Item No.7.9								
	Ground Floor								
	W1	Kgs	7			56.7	396.9		
				21kg per sqm 1.8*1.5*21=56.70					
	W2	Kgs	2			47.25	94.5		
				21kg per sqm 1.5*1.5*21=47.30					
	Basic Rate								
	Area weightage 8%							95.00	
	Total							7.6	
							491.40	**102.60**	**50417.64**
46	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. Pg no:123.Item no:15.74								
	For window	sqm	1	window qty			23.40		
	Painting for Grill Works	Sqm		window qty			23.40		
	Basic rate								
	Area weightage 8%							95.00	
	Total							7.60	
							46.80	**102.60**	**4801.68**
47	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. Pg 45 Item no.7.38								
	Ground Floor								
	Flight 1	Sqm	1	3.75		1.00	3.75		
	Flight 2	Sqm	1	3.75		1.00	3.75		
	Landing	Sqm	1	3.70		1.00	3.70		
	Basic Rate							6021.00	
	Area weightage 8%							481.68	
	Total						**11.20**	**6502.68**	**72830.02**
48	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305								
	Embankment	Cum	1	15.70	9.2	0.45	**65.00**		
	Basic Rate							325.00	
	Area weightage 8%							26.00	
	Total						**65.00**	**351.00**	**22814.30**
								Total Amount	**4019255.33**

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF THE PROJECT:Construction of Samudaya Bhavan and other Civil works at Shivamandira Road in Ward No 02 of Yelahanka sub division

3. Electrical Works

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
			INTERNAL WIRING SYSTEM				
49			Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.				
a	Pg 5	Item 2.1.1	Short point upto 3m	Point	6	200.00	1200
b	Pg 5	Item 2.1.2	Medium point above 3m - 6m	Point	6	275.00	1650
50	Pg 2	Item 1.2	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary				
b	Pg 2	Item 1.2.2	25mm dia, 2mm thick	Rm	40	53.00	2120
51	pg 2	item 1.3	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.				
a	Pg 2	Item 1.3.1	19/20mm dia, 2mm thick	Rm	30	51.00	1530
b	Pg 2	Item 1.3.2	25mm dia, 2mm thick	Rm	25	54.00	1350
52	pg 9	item 3.4	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall				
a	Pg 9	item 3.4.1	1 - 3 Way	Each	11	95.00	1045
b	Pg 9	item 3.4.2	4 - 5 Way	Each	10	105.00	1050
53	pg 9	item 3.1	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 .				
a	Pg 9	Item 3.1.2	6AMP 3/5 and Switch	No	20	132.00	2640
54	pg 9	item 3.2	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293	Each	30	150.00	4500
55	pg 15	item 3.3	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854				
a		3.3.4	16Amps Combined switch and socket with indication	No	10	194.00	1940
b		3.3.5	Electronic stepped regulator.	No	10	150.00	1500

Sl.no	SR book page no.	SR book item no.	Description of Works	Unit	Qty	SR Rate Rs.Ps	Amount, Rs.Ps
56			Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments				
a	Pg 6	Item 2.3.2	1.5sqmm	Rm	20	20.05	401
b	Pg 6	Item 2.3.3	2.5sqmm	Rm	10	32.00	320
57	Pg 3	Item 1.12	Supplying and fixing Metal Fan Box with Round Hook	Each	3	85.00	255
			LIGHT FIXTURES				
58	Pg 69	item 12.4.2	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting	Nos	8	300.00	2400
59	Pg 46	Item 7.3	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system				
a	Pg 46	item 7.3.1	48" sweep (1200mm)	Each	5	2090.00	10450
						Total Amount Electrical	**34351.00**
						Total Amount Building	**4019255.33**
						Total Road Amount	**2508151.00**
						Sub Total Amount	**6561757.33**
						GST Charges (12% of estimated cost)	**787410.88**
			Preparation of DPR and Architectural ,Structural Consultation fee(1% of estimated cost)				**75,000.0**
						Project management Consultancy Charges(1% of estimated cost)	**75,000.0**
						Miscellaneous and rounding off	**831.8**
						Grand Total Amount	**7500000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2018-2019, Data rates, PWD Electrical 2019-20 approved Rate and Issused Rates.

Assistant Engineer
BBMP

Assistant Executive Engineer
BBMP

Executive Engineer
BBMP

Administrative Approval
Accorded For ....75.00 lakhs
Head of A/C....P-3740..
CER NO :....71..... Dt: 02.09.2021

TA

CE (YNK)

Technical Sanction
Accorded For ....75.00 lakhs
Head of A/C....P-3740...
CER NO :...43..... Dt: 02.09.2021